

DOCKET NO.: 266459US90PCT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Etsuo SHINMURA, et al.

SERIAL NUMBER: 10/525,220

FILED: February 22, 2005

FOR: HEAT EXCHANGER, METHOD FOR MANUFACTURING HEAT EXCHANGER, TUBE CONNECTING STRUCTURE FOR HEAT EXCHANGER HEADER TANK, GAS COOLER USING SUPERCRITICAL REFRIGERANT, AND REFRIGERATION SYSTEM

**RESPONSE TO NOTICE OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371**

COMMISSIONER FOR PATENTS  
Box PCT  
Alexandria, VA 22313

SIR:

Responsive to the notification dated **November 18, 2005**, and in accordance with the provisions of 35 U.S.C. 371, Applicants submit herewith a Rule 63 Declaration and a Supplemental Application Data Sheet.

The required surcharge was paid at the time of filing the application.

In light of the foregoing, this application is deemed to be in proper condition for examination and such favorable action is earnestly solicited.

Our payment in the amount of \$-0.00- is attached hereto. If any variance exists between the amount enclosed and the required Government fee, please charge or credit the difference to our Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136 and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time may be charged to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.



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## UNITED STATES PATENT AND TRADEMARK OFFICE

Rec'd PCT/PTO 13 JAN 2006

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/525,220	Etsuo Shinmura	266459US90PCT

INTERNATIONAL APPLICATION NO.	
PCT/JP03/10620	
I.A. FILING DATE	PRIORITY DATE
08/21/2003	08/21/02

22850  
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.  
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ALEXANDRIA, VA 22314

CONFIRMATION NO. 5604

371 FORMALITIES LETTER



\*OC000000017420085\*

Date Mailed: 11/18/2005

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 02/22/2005
- Copy of the International Search Report filed on 02/22/2005
- Copy of IPE Report filed on 02/22/2005
- Information Disclosure Statements filed on 03/14/2005
- Request for Immediate Examination filed on 02/22/2005
- U.S. Basic National Fees filed on 02/22/2005
- Priority Documents filed on 02/22/2005

RECEIVED: 1/24/05  
OBLON, SPIVAK, MCCLELLAND  
MAIER & NEUSTADT, P.C.  
DOCKETING DEPT.  
Initials/Date Docketed: [Signature] 1/24/05  
Type of Request: Declaration  
Due Date(s): 1/28/06

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

FREDERICK SMITH

Telephone: (703) 308-9140 EXT 210

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/525,220	PCT/JP03/10620	266459US90PCT

FORM PCT/DO/EO/905 (371 Formalities Notice)